Message

From: Ryan, Jeff [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C6088FC0757D4BBF825E9B39311E35BE-RYAN, JEFF]
Sent: 3/7/2019 5:31:46 PM
To: Tabor, Dennis [Tabor.Dennis@epa.gov]
Subject: RE: Recovery Results to Date FW: PFAS Recovery information from the First batch of St Gobain QX trains

Understood. Mianly what I want to do is see what all you've done to this point, how and what you got. I know that they are quanted by area counts and against the comparator. We do need to decide the best way to go forward.

From: Tabor, Dennis
Sent: Thursday, March 07, 2019 12:28 PM
To: Ryan, Jeff <Ryan.Jeff@epa.gov>
Subject: RE: Recovery Results to Date FW: PFAS Recovery information from the First batch of St Gobain QX trains

That is all true but it was not done with internal standards. It was just a comparison of area counts spiked into Methanol vs area counts through the process (i.e. spike in a tube allowed to dry then added methanol, or extracted) They were also done at 10X higher concentrations than the labelled spikes were later done.

I can write that up but currently do not have something like what I sent you.

Thanks,

Dennis Tabor
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109 T.W. Alexander Drive
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Ship To Address

USEPA Attn: Dennis Tabor
4930 Old Page Rd.
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From: Ryan, Jeff
Sent: Thursday, March 07, 2019 12:09 PM
To: Tabor, Dennis <Tabor.Dennis@epa.gov>
Subject: RE: Recovery Results to Date FW: PFAS Recovery information from the First batch of St Gobain QX trains

Thanks Dennis - good stuff.

I'll look it over and let you know. Does this include your work leading to this point?

How about a bullet summary of all you've done to this point. I recall you looked at even bringing samples to dryness. Stuff like that.

From: Tabor, Dennis
Sent: Thursday, March 07, 2019 11:43 AM
To: Ryan, Jeff <Ryan.Jeff@epa.gov>
Subject: Recovery Results to Date FW: PFAS Recovery information from the First batch of St Gobain QX trains

Jeff,

This is what I sent you back in September. This is the only labelled isotope results from the spikes.

I can pull this together into a nicer format if you want. Let me know if you want me to. Also If I need to explain what I have done better verbally I would be happy to.

Remember that before the NH samples there were no Internal Standards Just comparing the areas of various runs. Do you want that?

Other than that, I have been given the area counts for the pre-sampling spike, pre-extraction spike and the pre-analysis Spike for the front Filter and XAD for the QX inlet and outlet. This is the attached xls file

This is not much data and there are samples ready to go to Ken and Mark. Hopefully, for calibration curve based analysis but I don't know if they have calibration curves with the isotope standards. I notified Mark on the 28th and he asked that I hold onto them until he was ready for them.

Thanks,

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From: Tabor, Dennis
Sent: Thursday, September 06, 2018 8:51 AM
To: Ryan, Jeff <Ryan.Jeff@epa.gov>
Subject: PFAS Recovery information from the First batch of St Gobain QX trains

Jeff,

In the St Gobain XAD and Filter samples we had three labelled compounds that were quantitated by Mark in the limited time that he had to process them for this meeting. A single labelled PFOA was used as a Pre-Analysis Spike(M2PFOA which had 13C2) , The semi-quantitated Pre-extraction Spike Included three compounds two Carboxylates (8 carbon and 5 carbon) and a Sulfonate. M8PFOA, M5PFPeA and M8PFOS. A different label of each of the Pre-extraction spikes was semi-quantitated the Pre-sampling spike, (The Naming pattern changed) MPFOA (13C4), M3PFPeA and MPFOS (13C4). The semi quantitation was done by comparing to a single point calibration solution / comparator.

In the Filter Samples the recovery of the Pre-Extraction spike was

		ID		PFOA	PFPeA	PFOS
Inlet	Filter	700	% rec	77	41	49
Outlet	Filter	800	% rec	82	53	101
MethD	Empty		% rec	88	89	111

In the Method development work (just based on an area comparison with a comparator) the recoveries from an empty soxhlet extraction were determined and listed as the third line above.

In the XAD Samples the recovery of the Pre-Extraction Spike and Method Development Spiked XAD blank comparison.

		ID		PFOA	PFPeA	PFOS
Inlet	XAD	702	% rec	47	31	32
Outlet	XAD	802	% rec	26	36	18
MethD	XAD		% rec	42	63	7

The recoveries of the Pre-sampling Spike (compared to the other label Pre-extraction Spike) was

		ID		PFOA	PFPeA	PFOS
Inlet	XAD	702	% rec	33	140	83
Outlet	XAD	802	% rec	35	70	59

There was not any labelled comparisons in the method development work.

The recoveries of the Pre-sampling Spikes that were compared to the Pre-Extraction labelled PFOA (not a similar compound)

		ID		PFDA	HFPO-DA
Inlet	XAD	702	% rec	99	39
Outlet	XAD	802	% rec	65	22

Thanks,

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